

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IN2004/000002

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N11/00 C12N9/02 C12N9/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BIOSIS, EMBASE, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/12959 A (VISURI KALEVI J ; UOTILA SINIKKA S (FI); GOVARDHAM CHANDRIKA P (US); M) 18 March 1999 (1999-03-18) examples 1-4	1-22
X	WO 92/02617 A (VERTEX PHARMA) 20 February 1992 (1992-02-20) examples 1-7; tables 1-5 & US 5 849 296 A (NAVIA MANUEL A ET AL) 15 December 1998 (1998-12-15)	1-22
X	US 5 932 212 A (KHALAF NAZER K) 3 August 1999 (1999-08-03) examples 1-10 & US 6 042 824 A (KHALAF NAZER K) 28 March 2000 (2000-03-28)	1-22
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

20 September 2004

Date of mailing of the international search report

06/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	MARGOLIN A L: "Novel crystalline catalysts" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 14, no. 7, 1 July 1996 (1996-07-01), pages 223-230, XP004035759 ISSN: 0167-7799 the whole document tables 1,2	1-22
P, X	ABRAHAM T E ET AL: "Crosslinked enzyme crystals of glucoamylase as a potent catalyst for biotransformations" CARBOHYDRATE RESEARCH, ELSEVIER SCIENTIFIC PUBLISHING COMPANY, AMSTERDAM, NL, vol. 339, no. 6, 28 April 2004 (2004-04-28), pages 1099-1104, XP004500589 ISSN: 0008-6215 the whole document	1-22
A	MARGOLIN, ALEXEY L. ET AL: "Protein crystals as novel catalytic materials" ANGEWANDTE CHEMIE, INTERNATIONAL EDITION , 40 (12), 2204 -2222 CODEN: ACIEF5; ISSN: 1433-7851; 2001, XP002296964 the whole document	1-22
A	GOVARDHAN CHANDRIKA P: "Crosslinking of enzymes for improved stability and performance" CURRENT OPINION IN BIOTECHNOLOGY, vol. 10, no. 4, August 1999 (1999-08), pages 331-335, XP002296965 ISSN: 0958-1669 the whole document	1-22

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